

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
Applicants: Darren MCKERRECHER et al.							
PTO Form 1449 October 2, 2008				Filing Date: May 12, 2005		Group Art Unit: 1625	
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
	1.	US 2,750,393	June 12, 1956	Elpern			
	2.	US 3,917,625	November 4, 1975	Lee et al.			
	3.	US 2,967,194	January 3, 1961	Murray Hauptschein			
	4.	US 3,950,351	April 13, 1976	Rossignol et al.			
	5.	US 4,009,174	February 22, 1977	Cluzan et al.			
	6.	US 4,105,785	August 8, 1978	Mauvernay et al.			
	7.	US 4,146,631	March 27, 1979	Ford et al.			
	8.	US 4,434,170	February 28, 1984	Dostert et al.			
	9.	US 4,474,792	October 2, 1984	Erickson			
	10.	US 4,634,783	January 6, 1987	Fujii et al.			
	11.	US 4,966,891	October 30, 1990	Fujiu et al.			
	12.	US 5,258,407	November 2, 1993	Washburn et al.			
	13.	US 5,273,986	December 28, 1993	Holland et al.			
	14.	US 5,399,702	March 21, 1995	Holland et al.			
	15.	US 5,466,715	November 14, 1995	Washburn et al.			
	16.	US 5,510,478	April 23, 1996	Sabb			
	17.	US 5,661,153	August 26, 1997	Isobe et al.			
	18.	US 5,672,750	September 30, 1997	Perry, Robert James			
	19.	US 5,712,270	January 27, 1998	Sabb			
	20.	US 5,849,735	December 15, 1998	Albright et al.			
	21.	US 6,110,945	August 29, 2000	Head et al.			
	22.	US 6,197,798	March 6, 2001	Fink et al.			
	23.	US 6,200,995	March 13, 2001	De la Brouse-Elwood et al.			
	24.	US 6,207,693	March 27, 2001	Setoi et al.			
	25.	US 6,214,878	April 10, 2001	Bernardon , et al.			
	26.	US 6,242,474	June 5, 2001	Yamasaki et al.			
	27.	US 6,255,335	July 3, 2001	Himmler et al.			
	28.	US 6,316,482	November 13, 2001	Setoi et al.			
	29.	US 6,320,050	November 20, 2001	Bizzarro et al.			
	30.	US 6,348,474	February 19, 2002	Kayakiri et al.			
	31.	US 6,369,229	April 9, 2002	Head et al.			
	32.	US 6,376,515	April 23, 2002	Zhu et al.			
	33.	US 6,388,071	May 14, 2002	Mahaney			
	34.	US 6,448,399	September 10, 2002	Corbett et al.			
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	

U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
	35.	US 6,486,349	November 26, 2002	Flitter et al.			
	36.	US 6,528,543	March 4, 2003	Bizzarro et al.			
	37.	US 6,545,155	April 8, 2003	Corbett et al.			
	38.	US 6,610,846	August 26, 2003	Bizzarro et al.			
	39.	US 6,613,942	September 2, 2003	Ling et al.			
	40.	US 7,199,140	April 3, 2007	Hayter et al.			
	41.	US 7,230,108	June 12, 2007	Hargreaves et al.			
	42.	US 7,132,546	November 7, 2006	Kato et al.			
	43.	US 20010027200	October 4, 2001	De la Brouse-Elwood et al.			
	44.	US 20020002183	January 3, 2002	Zhu et al.			
	45.	US 20020095044	July 8, 2002	Jagtap et al.			
	46.	US 20030162690	August 28, 2003	Zhu et al.			
	47.	US 20040014968	January 22, 2004	Bizzarro et al.			
	48.	US 20040077555	April 22, 2004	Ishihara et al.			
	49.	US 20050080106	April 14, 2005	Boyd et al.			
	50.	US 20050148605	July 7, 2005	Grotzfeld et al.			
	51.	US 20050165074	July 28, 2005	Grotzfeld et al.			
	52.	US 20050171171	August 4, 2005	Mehta et al.			
	53.	US 20050171172	August 4, 2005	Lai et al.			
	54.	US 20050261315	November 24, 2005	Mehta et al.			
	55.	US 20060004010	January 5, 2006	Habashita et al.			
	56.	US 20060167053	July 27, 2006	Iino et al.			
	57.	US 20060258728	November 16, 2006	Tani et al.			
	58.	US 20070078168	April 5, 2007	Caulkett			

FOREIGN PATENT DOCUMENTS							
Initial	Document No.	Date	Country	Class	Sub-Class	Translation	
	59.	CA 2605738	November 2, 2006	Canada			
	60.	CS 173097	June 15, 1978	Czechoslovakia			Yes
	61.	EP 0219436	December 22, 1993	Europe			
	62.	EP 0316704	May 24, 1989	Europe			US 4,966,891
	63.	EP 0353452	February 7, 1990	Europe			Yes
	64.	EP 0619116	October 12, 1994	Europe			
	65.	EP 0620216	January 8, 2003	Europe			
	66.	EP 1048659	November 2, 2000	Europe			
	67.	EP 1132381	September 12, 2001	Europe			
	68.	EP 1336607	August 20, 2003	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	

U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	

FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
	69.	EP 1357116	October 29, 2003	Europe			
	70.	EP 1400540	March 24, 2004	Europe			
	71.	EP 1600442	November 30, 2005	Europe			
	72.	EP 1702919	September 20, 2006	Europe			
	73.	FR 1526074	May 24, 1968	France		Yes	
	74.	FR 2088019	January 7, 1972	France		GB 1352415	
	75.	GB 1352415	May 8, 1974	United Kingdom			
	76.	GB 1561350	February 20, 1980	United Kingdom			
	77.	GB 1588242	April 23, 1981	United Kingdom			
	78.	GB 2216517	October 11, 1989	United Kingdom			
	79.	GB 2331748	June 2, 1999	United Kingdom			
	80.	GB 2385328	August 20, 2003	United Kingdom			
	81.	JP 04300832	October 23, 1992	Japan		Yes	
	82.	JP 04300874	October 23, 1992	Japan		Yes	
	83.	JP 06027025	February 4, 1994	Japan		Yes	
	84.	JP 08143565	June 4, 1996	Japan		Yes	
	85.	JP 08173525	July 9, 1996	Japan		Yes	
	86.	JP 08301760	November 19, 1996	Japan		Yes	
	87.	JP 09040557	February 10, 1997	Japan		Abstract	
	88.	JP 09202786	August 5, 1997	Japan		Yes	
	89.	JP 10101671	April 21, 1998	Japan		Yes	
	90.	JP 10101672	April 21, 1998	Japan		Yes	
	91.	JP 10212271	August 11, 1998	Japan		Abstract	
	92.	JP 11029480	February 2, 1999	Japan		Yes	
	93.	JP 11171848	June 29, 1999	Japan		Yes	
	94.	JP 11222435	August 17, 1999	Japan		Yes	
	95.	JP 11292879	October 26, 1999	Japan		Yes	
	96.	JP 50105559	August 20, 1975	Japan		Yes	
	97.	JP 57021320	February 4, 1982	Japan		Yes	
	98.	JP 57075962	May 12, 1982	Japan		Abstract	
	99.	JP 58069812	April 26, 1983	Japan		Yes	
	100.	JP 61205937	September 12, 1986	Japan		Yes	
	101.	JP 62158252	July 14, 1987	Japan		Yes	
	102.	JP 2000086657	March 28, 2000	Japan		Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
				Applicants: Darren MCKERRECHER et al.			
				PTO Form 1449 October 2, 2008		Filing Date: May 12, 2005	
U.S. PATENT DOCUMENTS							
Initial		Document No.	Date	Name	Class	Sub-Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
	137.	WO 00/46203	August 10, 2000	WIPO			
	138.	WO 01/00579	January 4, 2001	WIPO			
	139.	WO 01/12621	February 22, 2001	WIPO			
	140.	WO 01/16097	March 8, 2001	WIPO			
	141.	WO 01/19788	March 22, 2001	WIPO			
	142.	WO 01/26652	April 19, 2001	WIPO			
	143.	WO 01/32639	May 10, 2001	WIPO			
	144.	WO 01/64642	September 7, 2001	WIPO			
	145.	WO 01/64643	September 7, 2001	WIPO			
	146.	WO 01/74791	October 11, 2001	WIPO			Yes
	147.	WO 02/00633	January 3, 2002	WIPO			
	148.	WO 02/24682	March 28, 2002	WIPO			
	149.	WO 02/26718	April 4, 2002	WIPO			
	150.	WO 02/26731	April 4, 2002	WIPO			
	151.	WO 02/28835	April 11, 2002	WIPO			
	152.	WO 02/42270	May 30, 2002	WIPO			US 20040077555
	153.	WO 02/051831	July 4, 2002	WIPO			
	154.	WO 02/64545	August 22, 2002	WIPO			
	155.	WO 02/79145	October 10, 2002	WIPO			
	156.	WO 03/015518	February 27, 2003	WIPO			
	157.	WO 03/024222	March 27, 2003	WIPO			
	158.	WO 03/026652	April 3, 2003	WIPO			
	159.	WO 03/028641	April 10, 2003	WIPO			
	160.	WO 03/048152	June 12, 2003	WIPO			
	161.	WO 03/051366	June 26, 2003	WIPO			
	162.	WO 03/066613	August 14, 2003	WIPO			
	163.	WO 03/082838	October 9, 2003	WIPO			Yes
	164.	WO 2004/022536	March 18, 2004	WIPO			
	165.	WO 2004/085385	October 7, 2004	WIPO			
	166.	WO 2004/085406	October 7, 2004	WIPO			
	167.	WO 2004/110350	December 23, 2004	WIPO			
	168.	WO 2004/110375	December 23, 2004	WIPO			
	169.	WO 2005/048953	June 2, 2005	WIPO			
	170.	WO 2005/063738	July 14, 2005	WIPO			Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
Examiner		Date Considered					
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PLM/ (11/13/2008)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
201.	Beilstein Registry Number 6511458 (April 18, 1994) [XP002272206]						
202.	Beller et al. "Photochemical synthesis of benzo[f]quinolines" J. Org. Chem. 42(22):3514-3518 (1977)						
203.	Berl et al. "Induced fit selection of a barbiturate receptor from a dynamic structural and conformational/ configurational library" European J. Org. Chem. (11):3089-3094 (1999)						
204.	Berl et al. "Template-induced and molecular recognition directed hierarchical generation of supramolecular assemblies from molecular strands" Chem. Eur. J. 6(11):1938-1946 (2000)						
205.	Bonina et al. "Synthesis and pharmacologic activity of 2-arylethynylthiazol-4-acetic and 4-carboxylic acids" II Farmaco 40(11):875-884 (1985)						
206.	Boucherle et al. "Recherches dans la serie des cetones polyphenoliques IV. Thiazoles" Chimica. Therapeutica. 3(5):360-363 (1968) (Translation enclosed)						
207.	Bowden et al. "Structure-activity relations. Part 10. Metal-ion-complexation studies of a series of substituted benzamidotetrazoles" J. Chem. Research (Synopses) 11:304 (1991)						
208.	Bowden et al. "Structure-activity relations. Part 13. Inhibitors of cyclic nucleotide phosphodiesterase and anaphylaxis. Inhibition by a series of substituted benzamidotetrazoles" J. Chem. Research (Synopses) 6:206 (1992)						
209.	Brenner et al. "Imino-bridged heterocycles. VII. (1) N-aminobenzocycloheptapyridinimines" J. Heterocyclic Chem. 23:1331-1332 (1986)						
210.	Caulfield et al. "The first potent and selective inhibitors of the glycine transporter type 2" J. Med. Chem. 44(17):2679-2682 (2001)						
211.	Cavier et al. "Recherches sur les derives nitres d'interet biologique. XVI. Relations entre structures et activites protozoocides, anthelminthiques et molluscicides dans la serie du benzamido-2 nitro-5 thiazole" European Journal of Medicinal Chemistry, Chimica Therapeutica 13(6): 539-543 (1978) (Translation enclosed)						
212.	Chemical Abstracts Service, Columbus, Ohio, US: CAS Registry No. 438028-05-8 (15 Nov 2001); CAS Registry No. 438024-90-9 (15 Nov 2001), [XP002272448]						
213.	Chemical Abstracts Service, Columbus, Ohio, US: CAS Registry No. 445284-93-5 (9 Jul 2002); CAS Registry No. 445250-52-2 (9 Jul 2002); CAS Registry No. 445030-98-8 (9 Jul 2002); CAS Registry No. 445017-74-3 (9 Jul 2002); CAS Registry No. 444935-78-8 (9 Jul 2002); CAS Registry No. 444923-81-3 (9 Jul 2002); CAS Registry No. 438222-80-1 (9 Jul 2002); CAS Registry No. 438221-01-3 (9 Jul 2002); CAS Registry No. 354550-59-7 (9 Jul 2002); CAS Registry No. 438537-80-5 (9 Jul 2002); CAS Registry No. 353770-14-6 (9 Jul 2002); CAS Registry No. 352690-95-0 (9 Jul 2002); CAS Registry No. 353478-21-4 (9 Jul 2002); CAS Registry No. 353477-20-0 (9 Jul 2002); CAS Registry No. 353474-36-9 (9 Jul 2002); CAS Registry No. 362473-72-1 (9 Jul 2002); CAS Registry No. 303140-37-6 (9 Jul 2002); [XP002272449]						
214.	Chemical Abstracts Service, Columbus, Ohio, US: CAS Registry No. 354767-51-4 (05 Sep 2001)						
215.	Chemical Abstracts Service, Columbus, Ohio, US: CAS Registry No. 354767-66-1 (05 Sep 2001)						
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED, EXCEPT WHERE LINED THROUGH. /PLM/ (11/13/2008)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
216.	Ciaceri et al. "Analgesic, antipyretic and anti-inflammatory action of some new acids of the phenylethylenethiazole series" <i>Minerva Medica</i> 63(42):2409-2413 (1972)						
217.	Coburn et al. "Mesoionic purinone analogs IV: Synthesis and in vitro antibacterial properties of mesoionic thiazolo(3,2- α)pyrimidin-5,7-diones and mesoionic 1,3,4-thiadiazolo(3,2- α)pyrimidin-5,7-diones" <i>J. Pharm. Sciences</i> . 62(11):1785-1789 (1973)						
218.	Coghlan "Small molecule Glucokinase Activators (GKAs) as novel anti-diabetic agents" CIDEM seminar (May 2005)						
219.	Coghlan "Small molecule Glucokinase Activators (GKAs) as novel anti-diabetic agents" Society for Medicines Research Seminar (June 2004)						
220.	Coghlan et al., "Glucokinase activators in diabetes management" <i>Expert Opin. Investig. Drugs</i> 17(2):145-167 (2008)						
221.	Coope et al. "Predictive blood glucose lowering efficacy by Glucokinase activators in high fat fed female Zucker rats" <i>British Journal of Pharmacology</i> 149(3):328-335 (2006)						
222.	Corbett "Glucokinase activators: Discovery of novel, orally active glucose lowering agents" Presentation Slides, Cambridge Healthtech Institute's Eleventh Annual Molecular Medicine Tri-Conference, Moscone West Convention Center, San Francisco, CA (March 24-26, 2004)						
223.	Cushman et al. "Synthesis and evaluation of new protein-tyrosine kinase inhibitors. Part I. Pyridine-containing stilbenes and amides" <i>Bioorganic & Medicinal Chemistry Letters</i> 1(4):211-214 (1991)						
224.	De Paulis et al. "Potential antipsychotic agents. 6. Synthesis and antidopaminergic properties of substituted N-(1-benzyl-4-piperidinyl)salicylamides and related compounds. QSAR based design of more active members" <i>Eur. J. Med. Chem.</i> 25:507-517 (1990)						
225.	DeJohn et al. "Functionalization of Substituted 2(1H)- and 4(1H)-Pyridones. III. The preparation of substituted 6-vinyl-1,2-dihydro-2-oxo- and 1,4-dihydro-4-oxo-3-pyridinecarboxylic acids through the chemistry of pyridone dianions" <i>J. Heterocyclic Chem.</i> 20(5):1295-1302 (1983)						
226.	Edmont et al. "Synthesis and evaluation of quinoline carboxyguanidines as antidiabetic agents" <i>Bioorg. Med. Chem. Lett.</i> 10(16):1831-1834 (2000)						
227.	Elperm et al. "Iodinated Benzamidotetrazoles" <i>J. Org. Chem.</i> 22: 1686 (1957)						
228.	Eycken et al., Synthesis of (E)-5-(2-arylvinyl)-2-(hetero)arylpyridines, (E)-2-(2-arylvinyl)-5-methoxycarbonylpyridines and (E,E)-2,5-bis(2-arylvinyl)pyridines as polarity and pH probes, 2002, <i>J. Chem. Soc., Perkin. Trans. 2</i> , page 929						
229.	Ford et al., "Synthesis and quantitative structure-activity relationships of antiallergic 2-hydroxy-N-1H-tetrazol-5-ylbenzamides and N-(2-hydroxyphenyl)-1H-tetrazole-5-carboxamides" <i>J. Med. Chem.</i> 29(4):538-549 (1986)						
230.	Gill et al. "Stimulation of insulin release by a small molecule glucokinase activator" EASD Islet Study Group, Abstract (November 2005)						
231.	Gill et al. "Stimulation of Insulin Release in MIN6 Cells and Isolated Rodent Islets by a Small Molecule Glucokinase Activator (GKA50)" Poster presented at 42nd EASD Meeting Copenhagen (2006) and <i>Diabetologia</i> Vol 49 (Supplement 1) 0501 (2006)						
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PLM/ (11/13/2008)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
232.	Gill et al. "Upregulation of key β -cell genes and improvement of function in rodent islets following chronic in vitro treatment with a glucokinase activator" Poster presented at 43rd EASD Meeting, Amsterdam (September 17-21, 2007) and Diabetologia Vol 50 (Supplement 1) S215 (2007)						
233.	Gorman et al. "Effect of high-fat diet on glucose homeostasis and gene expression in Glucokinase (GK) heterozygous knock-outs" Abstract Number: 0108-OR, 67th Annual Scientific Sessions, American Diabetes Association, Chicago, IL (June 22 - 26, 2007)						
234.	Gurtin et al. "Small molecule glucokinase activators as glucose lowering agents: A new paradigm for diabetes therapy" Current Medicinal Chemistry 13(15):1839-1843 (2006)						
235.	Hashimoto et al. "Evaluation of differentiation-inducing activity of retinoids on human leukemia cell lines HL-60 and NB4" Biol. Pharm. Bull. 19(10):1322-1328 (1996)						
236.	Hirst et al. "Molecular recognition of phosphate esters: A balance of hydrogen bonding and proton transfer interactions" Israel Journal of Chemistry 32:105-111 (1992)						
237.	Horsak et al. "Method of evaluation of the phase diagram of a system with formation of a compound" Chem. Zvesti. 36(3):311-320 (1982)						
238.	Isomura et al. "Z-type deposition of a polymerizable amphiphile to fabricate an immobilized LB film showing strong second harmonic generation" Thin Solid Films 244:939-942 (1994)						
239.	Johnson et al. "Glucose-dependent modulation of insulin secretion and intracellular calcium ions by GKA50 - A glucokinase activator" Abstract Number: 0592-P, 67th Annual Scientific Sessions, American Diabetes Association, Chicago, IL (June 22 - 26, 2007)						
240.	Julia et al. "Synthesis of a 2,3,4,4a,5,6-hexahydrobenzo[f]quinoline system by "aryne substitution"" Bull Chem Soc France 11:4463-4467 (1968) (Translation enclosed)						
241.	Kamata et al. "Pyroelectricity of noncentrosymmetric Langmuir-Blodgett films of phenylpyrazine derivatives" Japan J. Appl. Phys. 33(2):1074-1078 (1994)						
242.	Kar "Cinchon analogues as potential CNS agents" J Pharm Sci. 72(9):1082-1084 (1983)						
243.	Knoppova et al. "Synthesis and properties of 5-styryl-2-furancarboxylic acids" Collection Czechoslovak Chem. Commun. 46:2716-2728 (1981)						
244.	Konig et al. "Binding of heptanedioic acid to a threefold pyridine arylamide receptor. Enhancement of the stability of supramolecular solution structures by multiple binding sites" J. Org. Chem. 60(13):4291-4293 (1995)						
245.	Kunishima et al. "4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methyl-morpholinium chloride: An efficient condensing agent leading to the formation of amides and esters" Tetrahedron 55:13159-13170 (1999)						
246.	Lai et al. "Formation of columnar arrangements in copper(II) complexes of 2-phenylazomethinopyridine derivatives" J. Materials Chemistry 8(11):2379-2383 (1998)						
247.	Leighton et al. "Improved glycemic control after sub-acute administration of a Glucokinase activator to male Zucker (fa/fa) rats" Abstract Number: 0377-OR, 67th Annual Scientific Sessions, American Diabetes Association, Chicago, IL (June 22-26, 2007)						
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PLM/ (11/13/2008)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
Filing Date: May 12, 2005				Group Art Unit: 1625			
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
248.	Leighton et al. "Small molecule glucokinase activators as novel anti-diabetic agents" Biochemical Society Transactions 33(Part 2):371-374 (2005)						
249.	Leighton, "Pre-clinical disease models – challenges and success stories" 44th Drug Information Association Annual Meeting, Boston, MA, US (2008)						
250.	Levkoev et al. "Research on cyanide dyes 11. 7,7'-Dimethylthiacarbocyanines" Zhurnal Obshchei Khimii 27:3097-3107 (1957) (Translation enclosed)						
251.	Lith, "Evaluation of the effects on whole body glucose metabolism after single doses of X2000 – A glucose lowering agent" Poster presentation, Master thesis in Pharmaceutical Bioscience, Goteborgs University (2008)						
252.	Mastafanova et al. "Features of the catalytic reduction of 4-(3-oxoquinolizidin-2-methylene)-6-methoxyquinoline and its ethyleneketal" Khimiya Geterotsiklicheskich Soedinenii (1):86-94 (1989) (Translation enclosed)						
253.	Mastafanova et al. "Synthesis and study of the antihypertensive activity of substituted N-acetylmercaptopropionyl-6-[2'-phenylethyl]pipecolinic acids" Khimiko Farmatsevticheskii Zhurnal 22(3):294-302 (1988)						
254.	Mastafanova et al. "Synthesis, Anti-Inflammatory and Analgesic Activity of 1,6-Disubstituted Pipecolic and 6-Substituted Picolinic Acids" Khimiko Farmatsevticheskii Zhurnal 22(4) 428-431 (1988)						
255.	Mazik et al. "Molecular recognition of carbohydrates by artificial receptors: systematic studies towards recognition motifs for carbohydrates" Chem. Eur. J. 7(3):664-670 (2001)						
256.	Mazik et al. "Molecular recognition of carbohydrates by artificial polypyridine and polypyrimidine receptors" Angewandte Chemie International Edition 39(3):551-554 (2000)						
257.	McKerrecher "Design and synthesis of novel glucokinase activators" 13th RSC-SCI Medicinal Chemistry Symposium, Churchill College, Cambridge (September 4-7, 2005)						
258.	McKerrecher et al. "Design & synthesis of novel glucokinase activators as potential treatments for type 2 diabetes" 233rd ACS National Meeting, Chicago, IL (March 25-29, 2007)						
259.	McKerrecher et al. "Design of a potent, soluble glucokinase activator with excellent in vivo efficacy" Bioorg. Med. Chem. Lett. 16(10):2705-2709 (2006 May 15) Epub 2006 Feb 28						
260.	McKerrecher et al. "Identification of orally bioavailable small molecule activators of glucokinase" Abstract, 12 th SCI-RSC Medicinal Chemistry Symposium, Cambridge, UK, 7-10 September 2003 (poster 21) and 227 th American Chemical Society National Meeting and Exposition, San Francisco, California, 28 March-1 April 2004 (paper 341)						
261.	Meijer et al. "Chiral amplification in supramolecular stacks" Polymer Preprints 41(1):902-903 (2000)						
262.	Motesharei et al. "Molecular recognition in membrane mimics: A fluorescence probe" J. Am. Chem. Soc. 116(16):7413-7414 (1994)						
263.	Motesharei et al. "Molecular recognition on functionalized self-assembled monolayers of alkanethiols on gold" J. Am. Chem. Soc. 120(29): 7328 -7336 (1998)						
264.	Palman "Extended-core discotic liquid crystals based on the intramolecular H-bonding in N-acylated 2,2'-bipyridine-3,3'-diamine moieties" Chem. Eur. J. 3(2):300-307 (1997)						
265.	Phieninger et al. "Synthesis of 7,8-dihydro-5,6-benzoquinoline-(3)-carboxylic acid" Chemische Berichte 87:882-887 (1954) (Translation enclosed)						
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PLM/ (11/13/2008)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Attorney Docket No. 056291-5259		Application No. 10/534,650	
PTO Form 1449 October 2, 2008				Applicants: Darren MCKERRECHER et al.			
				Filing Date: May 12, 2005		Group Art Unit: 1625	
U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Sub-Class	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
266.	Prousek et al. "Preparation and electron transfer-induced cis-trans isomerization reactions of 1-(5-nitro-2-furyl)-, 1-(5-nitro-2-thienyl)-, and 1-(4-nitrophenyl)-2-R ethylenes" Collect. Czech. Chem. Commun. 54:1675-1682 (1989)						
267.	Ralph et al. "Glucose Modulation of Glucokinase Activation by Small Molecules" Biochemistry 47(17):5028-5036 (2008)						
268.	Rivaille et al. "2,3 Disubstituted furans and pyrroles - XVIII: Synthesis and rearrangement of 4H-dihydro-9,10 benzo[4,5]cyclohepta[1,2-b]furanones-4" Tetrahedron 32(7):829-834 (1976)						
269.	Robertson et al. "Structure-activity relationships of arylimidazopyridine cardiotonics: discovery and inotropic activity of 2-[2-methoxy-4-(methylsulfinyl)phenyl]-1H-imidazo[4,5-c]pyridine" Journal of Medicinal Chemistry 28:717-727 (1985)						
270.	Rogers et al. "Mesoionic purinone analogues as inhibitors of cyclic-AMP phosphodiesterase: a comparison of several ring systems" J. Med. Chem. 24(11):1284-1287 (1981)						
271.	Sekera et al. "No 69. - Recherches sur les anesthésiques locaux (XI memoire) Synthese de quelques nouveaux β-alcoyethoxycarbanilates et β-alcoyethoxycinchonamides amines" Soc. Chim., 5th Series, Memoires 401-404 (1959) (Translation enclosed)						
272.	Shorvon, "Pyrrolidone derivatives" Lancet 358(9296):1885-1892 (2001)						
273.	Stout et al. "Synthesis and antiarrhythmic and parasympatholytic properties of substituted phenols. 3. Modifications to the linkage region (region 3)" J. Med. Chem. 28(3):295-298 (1985)						
274.	Suhua et al. "Synthesis and biological activity of tyrosine protein kinase inhibitors" Acta Pharmaceutica Sinica 32(7):515-523 (1997)						
275.	Tecilla et al. "Hydrogen-bonding self-assembly of multichromophore structures" J. Am. Chem. Soc. 112:9408-9410 (1990)						
276.	Tecilla et al. "Synthetic hydrogen bonding receptors as models of transacylase enzymes" Tetrahedron 51(2):435-448 (1995)						
277.	Tecilla et al. "Transition-state stabilization and molecular recognition: acceleration of phosphoryl-transfer reactions by an artificial receptor" J. Am. Chem. Soc. 112:9586-9590 (1990)						
278.	Tornetta et al. "Arylvinylthiazole derivatives with anti-inflammatory, analgesic and anti-pyretic activity" Bollettino Delle Sedute Accad. Giovenia Sci. Nat. Catanica. Series 6, 11(9-10):89-95 (1973) (Translation enclosed)						
279.	Tucker et al. "Novel Inhibitors of prollyl 4-hydroxylase. 2. 5-amide substituted pyridine-2-carboxylic acids" J. Med. Chem. 3(5):804-807 (1992)						
280.	Van Gorp et al. "C3-symmetrical supramolecular architectures: fibers and organic gels from discotic trisamides and trisureas" J. Am. Chem. Soc. 124(49):14759-14769 (2002)						
281.	Vanderstelt et al. "Synthesis and pharmacological properties of some derivatives of 5H-benzo[4,5] cyclohepta[1,2-b] pyridine and of 11H-benzo[5,6] cyclohepta[1,2-c] pyridine III" Arzneim. Forsch. 22(1):133-137 (1972)						
282.	Vertigan et al. "Impact of cell glycogen content on modulation of hepatocyte glucose metabolism by pharmacological agents" Diabetologia, 47 Supp 1, A 214, 589 (2004)						
283.	West, Anthony R., "Solid State Chemistry and its Applications" Wiley, New York, Pages 358 and 365 (1988)						
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

